

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/052708

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B5/00 G02B5/20 G02B27/30 G21K1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G21K G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 403 166 A (MINNESOTA MINING AND MANUFACTURING COMPANY) 19 December 1990 (1990-12-19)	1-3, 14-19, 21,22, 24-31
Y	column 4, line 12 - column 9, line 8; figures 1-4	23,24
X	EP 0 523 611 A (NIPPON SHEET GLASS CO., LTD) 20 January 1993 (1993-01-20) page 3, line 55 - page 7, line 5; claims 2,3; example 2	1-4, 7-10, 14-19, 22,23, 25,26, 28-31

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

8 March 2005

Date of mailing of the international search report

10 06. 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 584 441 A (FREDENDALL GORDON L) 5 February 1952 (1952-02-05) column 2, line 58 - column 4, line 54; figures 1-3	1-3,10, 14, 16-18, 21,22, 26,28-31
X	PATENT ABSTRACTS OF JAPAN vol. 010, no. 260 (P-494), 5 September 1986 (1986-09-05) & JP 61 087143 A (SEIKO EPSON CORP), 2 May 1986 (1986-05-02) abstract; figures 2,13	1-3,10, 14,19
X	PATENT ABSTRACTS OF JAPAN vol. 011, no. 079 (P-555), 11 March 1987 (1987-03-11) & JP 61 235804 A (RICOH CO LTD), 21 October 1986 (1986-10-21) abstract; figures 1-6,8-12	1-3,9, 10, 14-17, 22,24, 26,28-31
X	GB 439 728 A (SIEMENS-REINIGER-WERKE AKTIENGESELLSCHAFT) 12 December 1935 (1935-12-12) page 1, line 37 - page 3, line 44	1,2,5,6, 11,12, 14,17, 20,22, 23,29
X	EP 1 091 216 A (GENERAL ELECTRIC COMPANY) 11 April 2001 (2001-04-11) paragraph [0048]; figure 1	1,2,11, 13-15,20
X	US 3 679 451 A (ALVIN M. MARKS ET AL) 25 July 1972 (1972-07-25) column 4, line 60 - column 5, line 41; figures 1-3	1-3,9, 10, 14-16, 18,22, 23,26, 28,30,31
Y	US 3 919 559 A (STEVENS ET AL) 11 November 1975 (1975-11-11) column 4, line 29 - column 5, line 41; figures 1-6	23,24

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0403166	A	19-12-1990	US 5147716 A	15-09-1992
			CA 2017001 A1	16-12-1990
			DE 69018131 D1	04-05-1995
			DE 69018131 T2	09-11-1995
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			KR 195592 B1	15-06-1999
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JP 61087143	A	02-05-1986	NONE	
JP 61235804	A	21-10-1986	NONE	
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EP 1091216	A	11-04-2001	US 6414315 B1	02-07-2002
			EP 1091216 A1	11-04-2001
			JP 2001188086 A	10-07-2001
US 3679451	A	25-07-1972	NONE	
US 3919559	A	11-11-1975	NONE	

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-31

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-31

A collimator panel comprising oriented particles and method
of orienting the particle in the panel

2. claims: 32-41

A method of manufacturing elongate particles by a
lithographic process
